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	Application No.	Applicant(s)	- VI	
	09/890,503	KREMERS ET AL.	KREMERS ET AL.	
Notice of Allowability	Examiner	Art Unit		
	Anatoly Vortman	2835		
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in the or other appropriate communication. This application is sub-	nis application. If not includ cation will be mailed in due	ed course. THIS	
1. This communication is responsive to application filed on 0.	<u>6/17/2004</u> .			
2. The allowed claim(s) is/are 8-15 (renumbered 1-8, respect	tively).			
3. \square The drawings filed on <u>31 July 2001</u> are accepted by the Ex	xaminer.			
 4. Acknowledgment is made of a claim for foreign priority unas a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	e been received. e been received in Application I	No	ation from the	
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		reply complying with the re	quirements	
5. A SUBSTITUTE OATH OR DECLARATION must be subminformal PATENT APPLICATION (PTO-152) which give			IOTICE OF	
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must (a) ☐ including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date 	son's Patent Drawing Review (PTO-948) attached		
(b) including changes required by the attached Examiner' Paper No./Mail Date		the Office action of		
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t	.84(c)) should be written on the	drawings in the front (not the	∍ back) of	
7. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			Note the	
Attachment(s)				
1. Notice of References Cited (PTO-892)	5. Notice of Infor	mal Patent Application (PT	O-152)	
2. \square Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Sum			
3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date		ail Date <u>0804</u> . nendment/Comment		
4. Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's St	atement of Reasons for Allo	owance	

A. Ver

Anatoly Vortman Primary Examiner Art Unit: 2835

of Biological Material

9. Other ____.

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EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. William C. Gehris, Reg. No. 38, 156 on 08/18/04.

The application has been amended as follows:

In specification:

On p. 4, after the last line the following has been added:

--While a particular embodiment of the invention has been illustrated and described, modifications will become apparent to those skilled in the art, and it is intended to cover in the appended claims all such modifications as come with the scope of the invention. For example the current-limiting device may contain additional poles as described above with additional connecting conductors per pole so as to form a multipole current limiter.--

In the claims:

Claim 9, line 2 of the claim [a second and] has been deleted and following "a third" and before "electrode" -- and a forth-- had been added.

2. The following is an examiner's statement of reasons for allowance:

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The allowability resides in the overall structure of the device as recited in sole independent claim 8 and, at least in part because claim 8 recites: "a first connecting conductor connected to the first electrode and disposed below the plurality of compression spaces and having an inverse current direction; and a ferromagnetic body disposed above the plurality of compression spaces". The aforementioned limitations in combination with all remaining limitations of claim 8 are believed to render the claim and claims 9-15 dependent thereon patentable over the art of record.

The closest reference to the present invention is believed to be SU/922,911 to Veretenkov et al. (Veretenkov).

Veretenkov disclosed a self-regenerating current limiting device in which liquid metal is used, said current limiting device comprising first and second solid metal electrodes (3) for connection to a circuit to be protected via first and second connecting conductors (1, 2) and a plurality of compression spaces (7) partially filled with liquid metal (6) and arranged in series between the electrodes (3), said compression spaces (7) being formed of compression-proof insulating bodies (5) and insulating walls (4) with connecting channels formed therethrough, but did not disclose that said first connecting conductor disposed below the plurality of compression spaces and having an inverse current direction; and a ferromagnetic body disposed above the plurality of compression spaces as required by independent claim 8 of the instant application.

The following prior art made of record is considered pertinent to Applicant's disclosure:

US/3902150, 4429295, 338960, 3699489, 3381248, 3331937, 5471185, 5581192, 4598332, 3369094, 3886511, 3806855, 3644860, 3991396, 6525642, 1595061,

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DE/4012385, DE/1024595, DE/2652506, GB/2036443, GB/1538194, and JP/2-100216 disclosed liquid metal current-limiting devices.

None of the cited references either taken alone or in combination is believed to render the present invention unpatentable as claimed.

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anatoly Vortman whose telephone number is 571-272-2047. The examiner can normally be reached on Monday-Friday, between 10:00 am and 6:30 pm..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ms. Lynn Feild can be reached on 571-272-2092. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov.

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Should you have questions on access to the Private PAIR system, contact the

Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Anatoly Vortman Primary Examiner Art Unit 2835

A. Vole